

**FALCON REFINERY  
SUPERFUND SITE  
NATIONAL OIL RECOVERY CORPORATION  
(NORCO)**

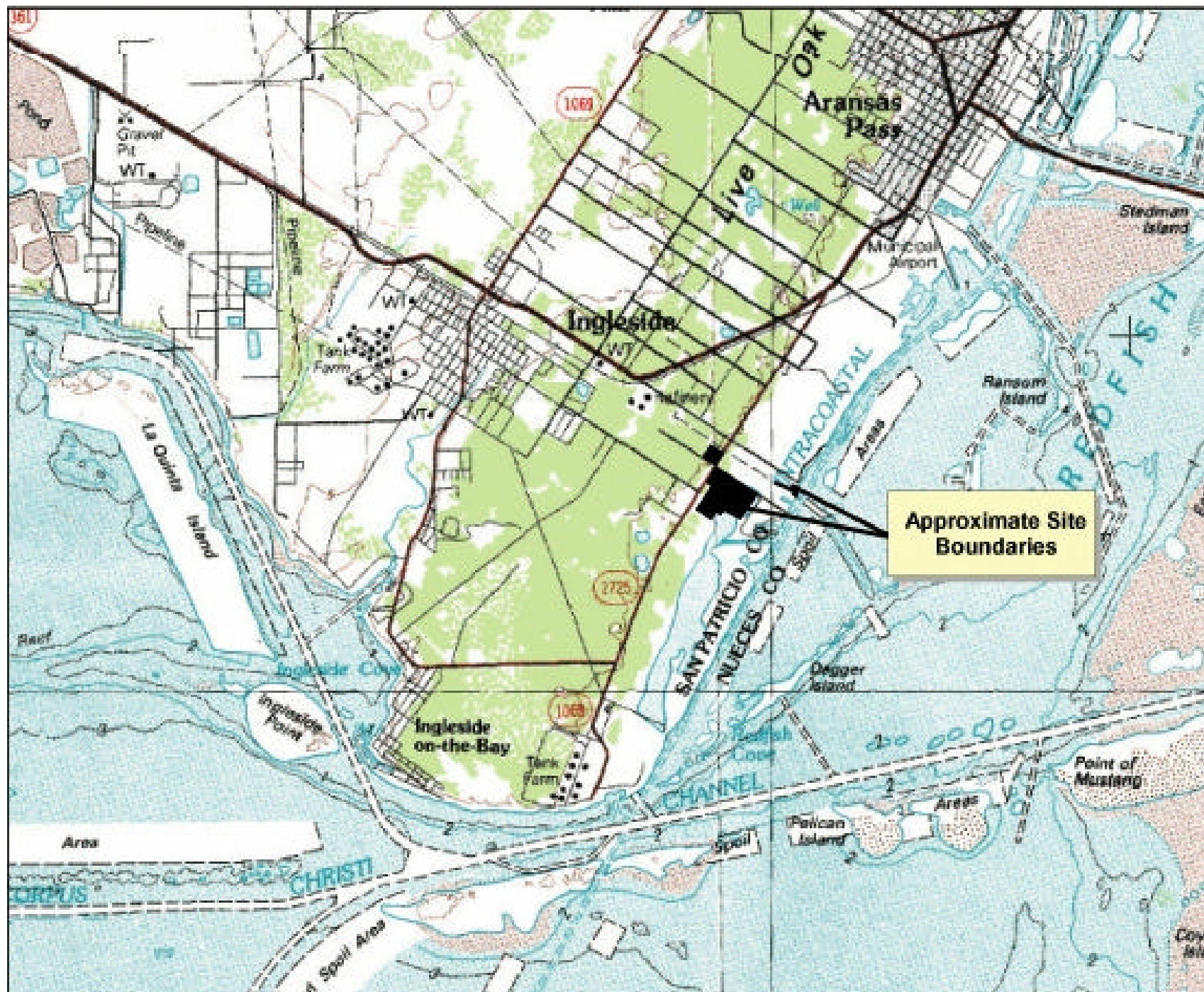
**COMMUNITY MEETING  
INGLESIDE, TEXAS  
9/16/04**



# AGENDA

- U.S. Environmental Protection Agency
- Site Description
- Planned Environmental Activities
- Texas Commission on Environmental Quality
- Federal/State Natural Resource Trustees
- Community Involvement
- Questions







*...other Region 9 sites*

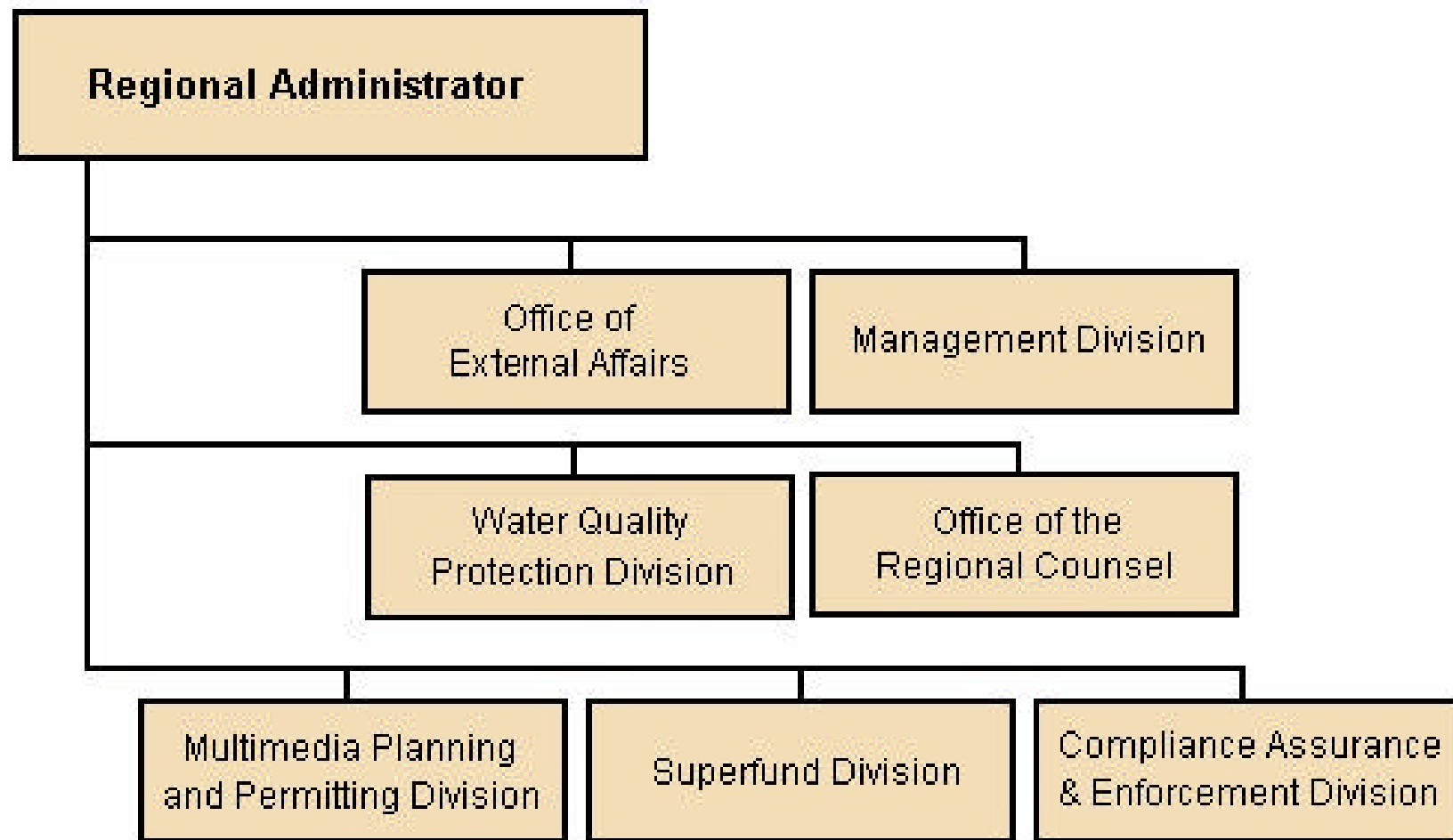
- ▶ Guam
- ▶ American Samoa
- ▶ Trust Territories

*...other Region 2 sites*

- ▶ Puerto Rico
- ▶ Virgin Islands

- ▶ Commonwealth of the Northern Mariana Islands

# EPA Region 6 Organization Charts



# PURPOSE OF THE SUPERFUND PROGRAM

- The purpose of the Superfund program is to reduce and eliminate threats to human health and the environment that result from releases or potential releases of hazardous substances, pollutants, and contaminants from abandoned or uncontrolled hazardous waste sites.



# **SUPERFUND LEGISLATIVE AND REGULATORY FRAMEWORK**

- **Laws: Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, Superfund).**
- **Regulations: National Oil and Hazardous Substances Pollution Contingency Plan (NCP).**
- **Policy and Guidance.**
- **Site-specific documents.**





# **SUPERFUND RESPONSE ACTIONS**

- **Administrative Orders on Consent**
- **Two types of response actions:**
  - **Remedial Actions performed by Remedial Project Managers (RPMs)**
  - **Removal Actions performed by On-Scene Coordinators (OSCs)**





# Superfund Remedial Process

## FROM:

- Preliminary Assessment
- Site Inspection
- NPL Listing
- Enforcement

Scoping of  
the RI/FS

## REMEDIAL INVESTIGATION (RI)

**SITE CHARACTERIZATION AND  
HUMAN HEALTH/ECOLOGICAL RISK  
ASSESSMENTS**

**TREATABILITY  
STUDIES**

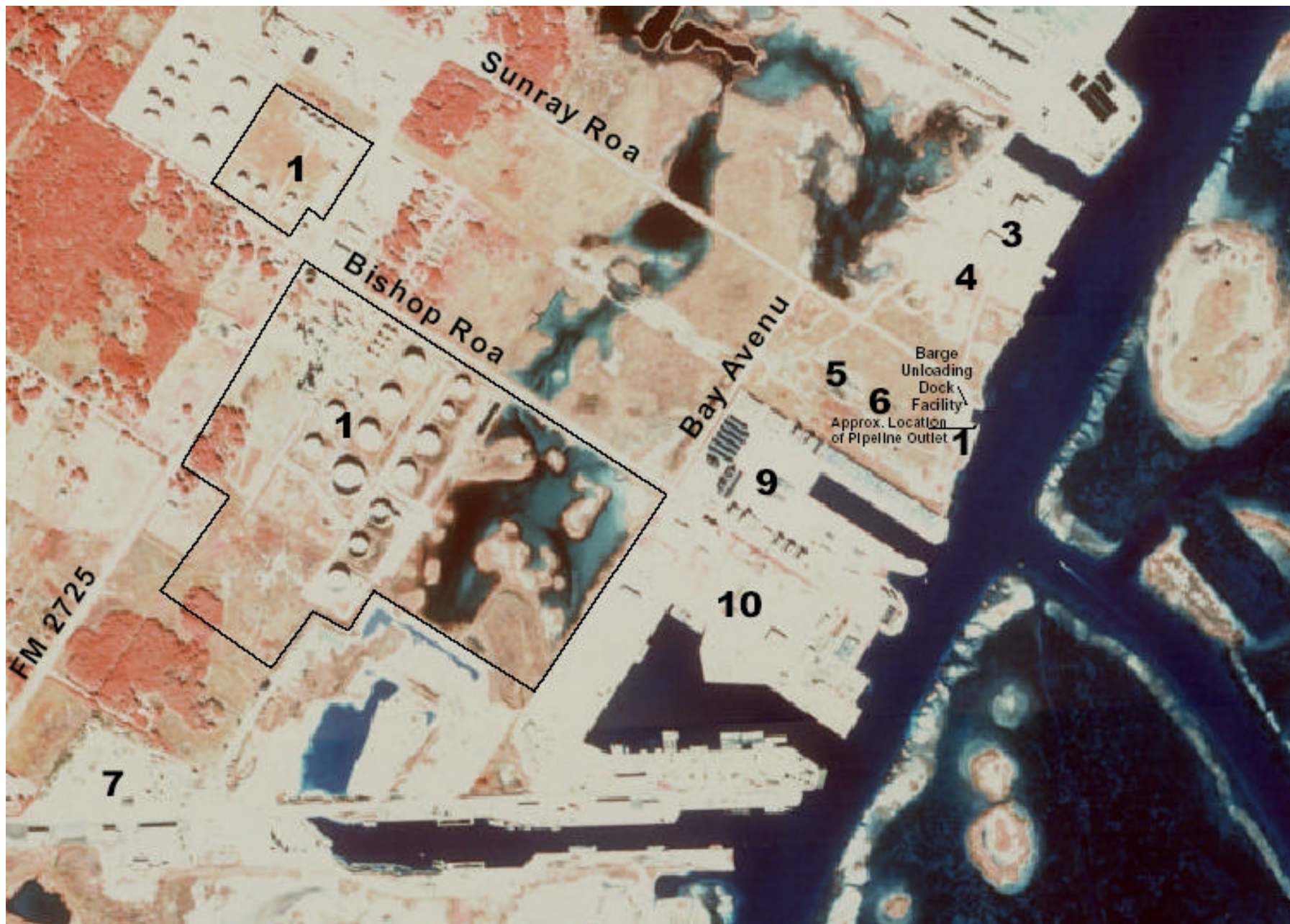
**DEVELOPMENT AND SCREENING  
OF REMEDIAL ALTERNATIVES**

**DETAILED ANALYSES  
OF ALTERNATIVES**

## FEASIBILITY STUDY (FS)

## TO:

- Selection of Remedy
- Record of Decision (ROD)
- Enforcement
- Remedial Design (RD)
- Remedial Action (RA)
- Operation & Maintenance (O&M)





















# Falcon Refinery Superfund Site

## Removal Action Work Plan (RAW) Activities

# Activities Prior to the RAW

- NORCO removed tanks 1, 3, 4, 5, 6, 8, 9, 11, 28, 29 and 31.
- Attended meetings with the EPA
- Negotiated the Agreed Orders for Removal Action and Remedial Investigation/Feasibility Study
- Worked in cooperation with the EPA and trustees in developing the scoping meeting.





# Removal Action Activities

- Implement the EPA approved Safety and Health Plan for Removal Action



# Removal Action Activities

- Implement the Safety and Health Plan
- Secure the Site







# Removal Action Activities

- Implement the Approved Safety and Health Plan
- Secure the Site
- **Install Construction Facilities**
  - Office
  - First Aid Station
  - Construction Decontamination Facilities

# Removal Action Activities

- Implement Approved Safety and Health Plan
- Secure Site
- Install Construction Facilities
  - Office
  - First Aid Station
  - Construction Decontamination Facilities
- **Asbestos Assessment**









# Removal Action Activities

- Implement Approved Safety and Health Plan
- Secure Site
- Install Construction Facilities
  - Office
  - First Aid Station
  - Construction Decontamination Facilities
- Asbestos Assessment
- Clear Site of Weeds and Debris





# Removal Action Activities (cont.)

- Above Ground Storage Tank Gauging
- Liquid Compatibility Testing





# Removal Action Activities (cont.)

- Fugitive and Ambient Air Monitoring
- Grossly stained soil removal





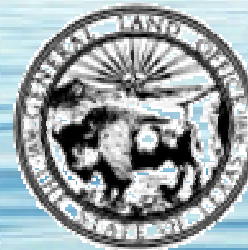
# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

- Represent the State of Texas
  - For the investigation and cleanup (if necessary) of the Site
- Technical/Community Relations Assistance to EPA
- State Repository for Site Documentation



# Coordination with Natural Resource Trustees

## Trustee Roles in the Remediation of Hazardous Waste Sites





# What is a Natural Resource Trustee?

- State or federal representative charged by CERCLA, OPA and NCP to ensure protection and integrity of designated natural resources
- Federal trustees represent DOC, DOD, DOE, USDA, DOI ; state trustees designated by governor
- Trust resources include: land, fish, wildlife, water, groundwater, and other resources



# Trustee Functions

- Provide technical assistance during site investigation
- Conduct Natural Resource Damage Assessment



# Benefits of Coordination with Trustees

- Additional technical support
- Streamlines remediation and restoration
- Time and cost efficient
- Enhanced resource benefit through coordinated solution





# COMMUNITY INVOLVEMENT

- Technical Assistance Grant
- Local Site Repository
  - Ingleside Public Library
    - 2775 Waco St.
- Community Involvement Plan
- Mailing List



# EPA RESOURCES\*

- Remedial Project Manager: Rafael A. Casanova, P.G.
  - (214)665-7437, [casanova.rafael@epa.gov](mailto:casanova.rafael@epa.gov)
- On-Scene Coordinator: Gary Moore
  - (214)665-6609, [moore.gary@epa.gov](mailto:moore.gary@epa.gov)
- Attorney: Gloria Moran
  - (214)665-3193, [moran.gloria-small@epa.gov](mailto:moran.gloria-small@epa.gov)
- Ecological Risk Assessor: Kathy Sciera
  - (214)665-3198, [sciera.katherine@epa.gov](mailto:sciera.katherine@epa.gov)
- Human Health Risk Assessor: David Riley
  - (214)665-7298, [riley.david@epa.gov](mailto:riley.david@epa.gov)
- Community Involvement Coordinator: June Hoey
  - (214)665-8522, [hoey.phyllis@epa.gov](mailto:hoey.phyllis@epa.gov)
- \*Toll-Free Number: 1-800-533-3508





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*Protecting human health, safeguarding the natural environment*

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Administrator Whitman provided to the President and Congress the Agency's FY 2001 Annual Report which provides a comprehensive look at the Agency's program and financial performance for the past fiscal year. The accomplishments described in this report reflect the EPA's commitment to working with our state, tribal, local and federal government partners to achieve cleaner air, purer water, and better protected land.

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## RI/FS and Treatability Studies Overview

**"Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA, Interim Final" (October 1988)<sup>3</sup>**

Revises the 1985 guidance on Remedial Investigations (RI) and Feasibility Studies (FS). It reflects provisions of SARA, presents management initiatives to streamline the RI/FS process, and incorporates improvements learned from previous projects. [186 p.]

EPA 540/G-89/004, OSWER 9355.3-01

[\[PDF Image 16.8MB\]](#) [\[PDF Searchable 2.54MB\]](#)

**"Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites" (February 1991)**

Utilizes the Presumptive Remedy approach for addressing the RI/FS processes at municipal landfills. Defines site characterization strategies, identifies remedial action alternatives, and recommends containment as the preferred remedy. [305 p.]

EPA 540/P-91/001, OSWER 9355.3-1

[\[PDF Image 21.5MB\]](#) [\[PDF Searchable 2.76MB\]](#)

**"Feasibility Study Analysis for CERCLA Municipal Landfill Sites" (August 1994)**

Presents an evaluation of the technologies considered in the Feasibility study at 30 municipal landfill sites. The evaluation concludes that certain technologies were routinely screened out based on effectiveness, implementability, or excessive costs. This document is intended to be used as a key reference in the Administrative Record as technical basis for limiting analysis of remedial alternatives to those technologies recommended in the OSER Directive 9344.0-49FS entitled "Presumptive Remedy for CERCLA Municipal Landfill Sites." [262 p.]

EPA 540/R-94/081, OSWER 9356.0-03, NTIS: PB95-963301

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## Tools

[Enviromapper](#) map hazardous waste sites in your community.

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## Tools of the Trade

Click on the two bulleted categories below to access guidance, policy, and technical tools for Superfund risk assessment. Information on both human health and ecological risk assessment is included, and most of the resources referenced can be downloaded.

- Databases & Software
- Guidance & Policy

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URL: <http://www.epa.gov/superfund/programs/risk/tooltrad.htm>

This page was last updated on: September 6, 2001

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[beasley.lynn@epa.gov](mailto:beasley.lynn@epa.gov)

### Human Health

- [Integrated Risk Information System \(IRIS\)](#)  
[exit Superfund](#) ➡
- [Soil Screening Calculations](#) [EXIT EPA](#) ➡
- [Soil Screening Calculations \(for Radionuclides\)](#) [EXIT EPA](#) ➡
- [Johnson and Ettinger Air Model](#)

### Ecological

- [Wildlife Exposure Factors Handbook \(1993\)](#)  
[exit Superfund](#) ➡
- [Ecotox Thresholds \(1996\)](#)

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